

Title: "Integer Cycle Frequency Hopping
Modulation For The Radio Frequency
Transmission of High Speed Data"
Serial No. 10/765,442
Attorney Docket No. P031696-08UT
Responsive to Office Action Mailed October 31, 2006
Date: April 13, 2007

REMARKS

The Examiner previously rejected the claims as failing to comply with the written description. The Examiner stated that the claims, as previously amended with the newly added limitation"--- resulting in a spectral output of multiple frequencies spread over a broad spectral band during said altered 360 degree cycle," contain subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Applicant then amended the claims with language from the original specification which the Examiner has now rejected based on the FSK prior art of Iishi.

In this amendment Applicant has attached spectral plots showing that a typical FSK signal as generated by a system such as Iishi's and the Integer Cycle Modulation system as disclosed in this application both operating at 1GigHz and 915MHz. These plots show the significant difference between an FSK system and an Integer Cycle Modulation system. This difference is based on the fact that in the Integer Cycle Modulation system as disclosed the change of frequency from the carrier (F0) to the modulation event (F1) starts at the precise zero degree phase angle and ends at precisely the 360 degree phase angle thus reducing the spurious emission on the spectrum. Applicant has added this additional limitation to the claims to distinguish this disclosure from Iishi.

Amended Claims 1-17 now appear in the application which clearly point out and claim the invention with no new matter added. Reconsideration of the application and the patentable merits of the subject matter covered by these claims is respectfully requested. Applicant submits that claims 1-17 are allowable and respectfully requests early favorable action by the Examiner.

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If the Examiner believes a telephonic interview with Applicant's representative would aid in the prosecution of this application, he is cordially invited to contact Applicant's representative at the below listed number.

April 13, 2007

Date

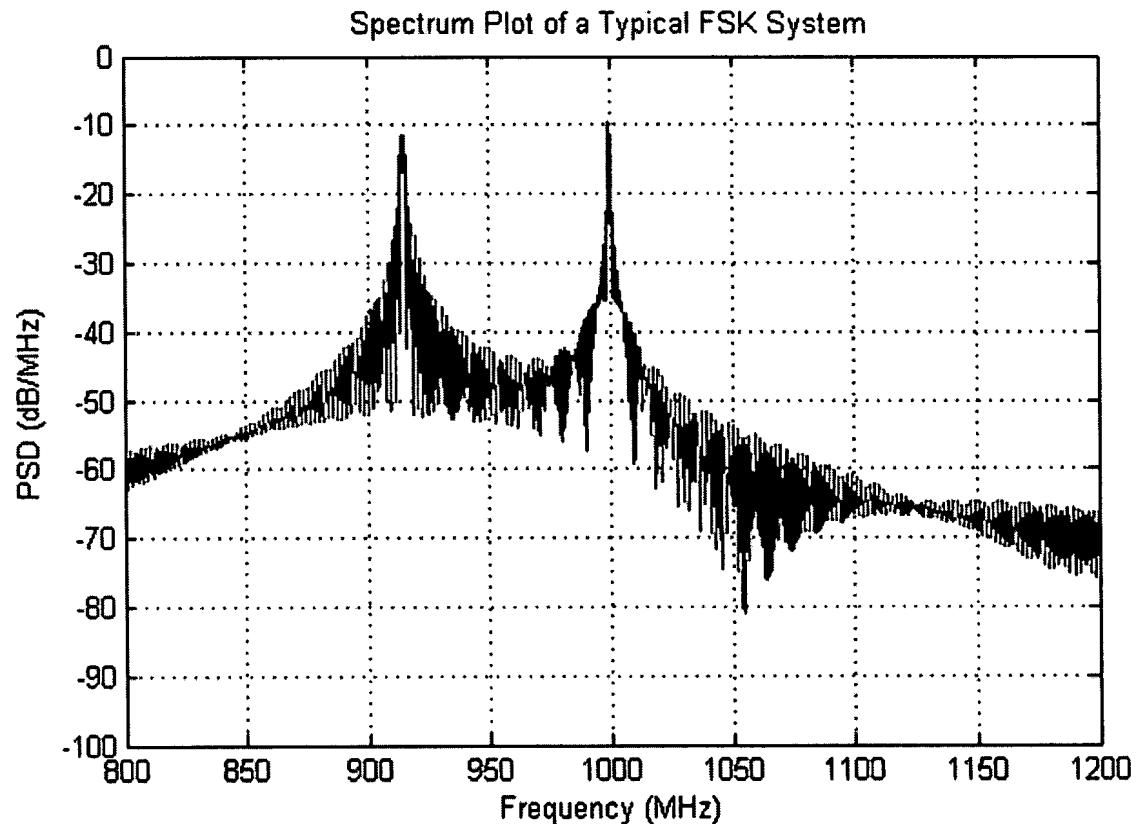
Respectfully submitted,



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